The Epidemiology of Infectious and Chronic Diseases in Minority Communities

December 7, 2011

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Disparities in HIV/AIDS Infection Between African Americans and Other Ethnic Populations in Alabama

Alabama Department of Public Health



Objectives

- 1. Learn about the Alabama Department of Public Health's (ADPH) role in the prevention and reduction/elimination of HIV/AIDS.
- 2. Identify sources of HIV/AIDS data highlighting existing HIV/AIDS related health disparities nationally and in Alabama.
- 3. Identify factors associated with HIV/AIDS related health disparities.
- 4. Learn about changes to the Alabama Notifiable Disease Law as it relates to HIV/AIDS.



ADPH's Role in HIV/AIDS Prevention, Reduction, and Elimination

- ADPH formed the HIV/AIDS Division of Prevention and Control in 1987 to address the growing epidemic.
- HIV/AIDS Division includes the Direct Care, Prevention, Surveillance, and Quality Management branches.



ADPH's Role in HIV/AIDS Prevention, Reduction, and Elimination

- Direct Care
 - Oversees the State's Ryan White Part B funded direct patient services including the State's AIDS Drug Assistance Program (ADAP).
- Prevention
 - Oversees prevention planning and program development services.
 - Collaborates to establish prevention partnerships.



ADPH's Role in HIV/AIDS Prevention, Reduction, and Elimination

- Surveillance
 - Ongoing, systematic collection, analysis, and interpretation of data related to HIV/AIDS.
 - Provides demographic data for use in targeting prevention programs.
- Quality Management
 - Quality assessment and improvement by building and maintaining collaborative efforts between all funded programs.



ADPH's Role in HIV/AIDS Prevention, Reduction, and Elimination

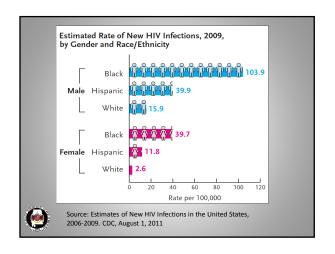
- HIV/AIDS Division has embraced the National HIV/AIDS Strategy.
- National HIV/AIDS Strategy Goals
 - 1. Reduce HIV Incidence,
 - 2. Increase access to care and optimize health outcomes,
 - 3. Reduce HIV-related health disparities.

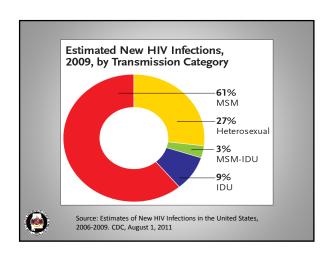


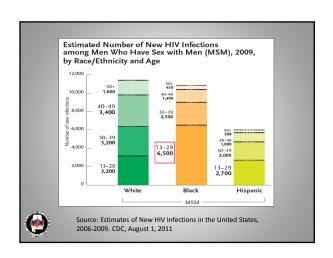
HIV/AIDS Data Highlighting Health Disparities in the United States

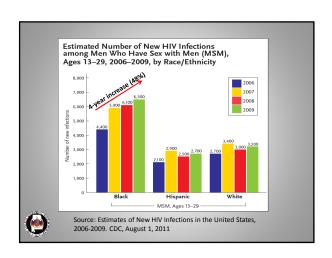
- Blacks/African Americans(AF-AM) have been affected by HIV infection since the beginning of the epidemic.
- CDC's estimates show that AF-AM continue to bear the greatest burden of HIV.
- In 2009, while AF-AM represent approximately 14% of the U.S. population, 44% (n=21,200) of all new HIV infections come from AF-AM.







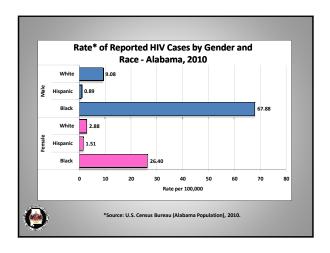


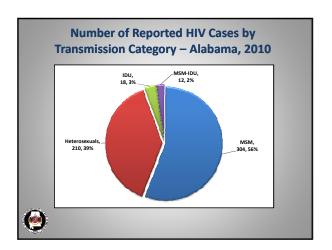


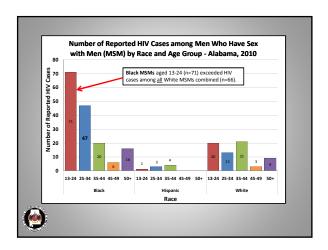
HIV/AIDS Data Highlighting Health Disparities in the Alabama

- As of July 1, 2011, 7,793 HIV cases and 9,881 AIDS cases have been reported to the Alabama Department of Public Health.
- Blacks/African Americans represent 26% of the state's population; however, 64.1% (n=11,329) of all living HIV/AIDS cases in Alabama are from this group.









Factors Associated with HIV/AIDS Related Health Disparities

- · Lack of awareness of HIV status
- Stigma and discrimination against people living with HIV
- Limited access to quality health care and HIV prevention education.



Factors Associated with HIV/AIDS Related Health Disparities

- · Lack of awareness of HIV status
 - Expanded Testing Initiative (ETI)
 - In September 2010, the HIV/AIDS Division expanded rapid HIV testing in Alabama.
 - Purpose of the project is to make HIV testing more accessible for clients and a <u>routine</u> part of medical care for providers.
 - Project partners are the Primary Care Association, the UAB Emergency Department, and Historically Black Colleges and Universities



Factors Associated with HIV/AIDS Related Health Disparities

- Stigma and discrimination against people living with HIV
 - Peer mentors
 - HIV-positive individuals who have shown maturity in handling their own disease status.
 - Newly diagnosed and stigmatized individuals identify with and trust peer mentors more readily than other HIV/AIDS workers.
 - Allows the peer mentor to address personal concerns and barriers to care.
 - Alabama Consumer Advisory Board (ACAB)
 - · Sponsors an annual conference for HIV consumers.
 - Plans to conduct Alabama's first statewide consumer needs assessment in December 2011 through January 2012.



Factors Associated with HIV/AIDS Related Health Disparities

- Limited access to quality health care and HIV prevention education.
 - AIDS Drug Assistance Program (ADAP)
 - Assists with obtaining medications for qualified individuals
 - Prevention Coordinators
 - Facilitate monthly network meetings to address prevention needs in their area.
 - Participate in health fairs, trainings, conferences to provide prevention education.



Changes to the AlabamaNotifiable Disease Law

As of June 30, 2011, Alabama's Notifiable
 Disease Rule for HIV infection was updated to
 include the reporting of CD4 counts/percents
 and viral loads for persons with HIV.



What Is Ideal Cardiovascular Health?

- 1. Absence of disease
- 2. Favorable levels of health factors
- 3. Favorable health behaviors









Life's Simple 7

- 1. Never smoked or quit more than one year ago
- 2. Body mass index less than 25 kg/ m^2
- 3. Physical activity of at least 150 mins (moderate intensity) or 75 mins (vigorous intensity) each week
- 4. Four to five key components of a healthy diet consistent with current AHA guidelines
- 5. Total cholesterol of less than 200 mg/dL
- 6. Blood pressure below 120/80 mm Hg
- 7. Fasting blood glucose less than 100 mg/dL





Healthy Diet (4-5 Dietary Goals met)

- 1. Fruits and vegetables: ≥ 4.5 cups per day
- 2. Fish (preferably oily): ≥ 2 3.5-oz servings per week
- Fiber-rich whole grains (1.1 grams fiber per 10 grams carbohydrate):
 ≥ 3 1-oz-equivalent servings per day
- 1. Sodium: <1500 mg per day
- 2. Sugar-sweetened beverages: ≤450 kcal (36 oz) /week

Other Dietary Measures

- 1. Saturated fat: < 7% of total energy intake
- 2. Nuts, legumes, and seeds: ≥ 4 servings/week
- Processed meats: ≤ 2 servings/week

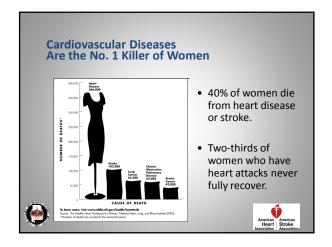




Alabama Rankings

- Diabetes Prevalence 50th (13%)
- Overweight/Obese 50th (70%)
- Tobacco Tax 47th (42.5 cents)
- Health Status (45th)



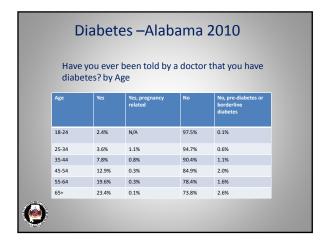


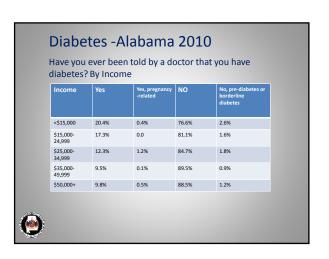
Obstacles to Success

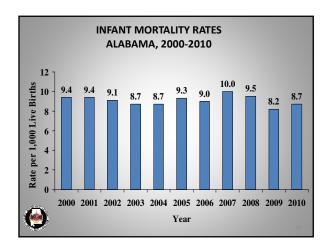
- · We know what to do , but!
- Lack of public awareness about the debilitating, costly effects of cardiovascular disease and stroke
- Persons do not know the warning signs of heart attack and stroke

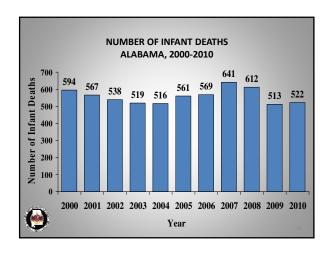


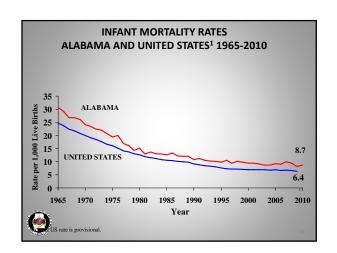
Diabetes - Alabama 2010 Have you ever been told by a doctor that you have diabetes? By age Race Yes Yes, pregnancy NO No. pre-diabetes or borderline diabetes White 11.8% 0.5% 86.2% 1.6% Black 16.5% 0.4% 81.5% 1.5% Hispanic 8.1% N/A 89.4% 2.6%

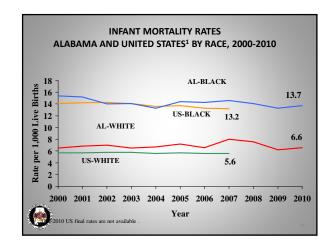


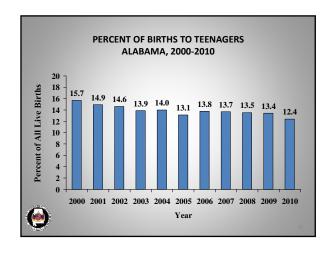


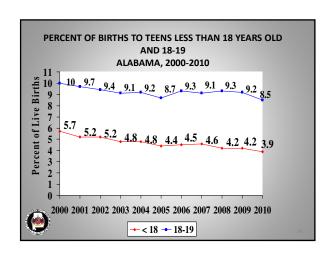


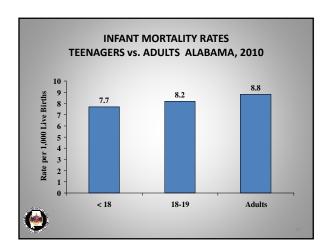


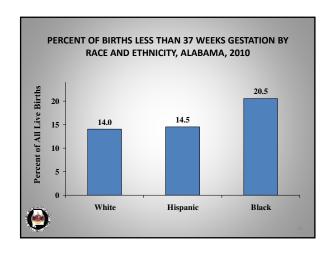


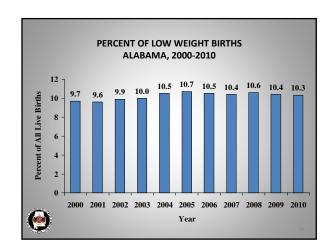


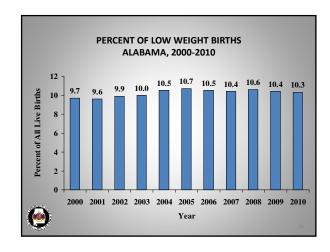


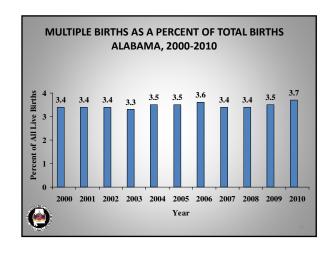


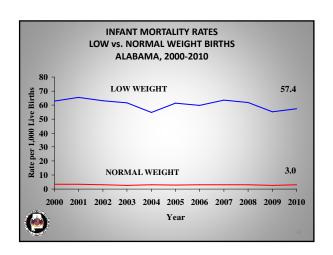


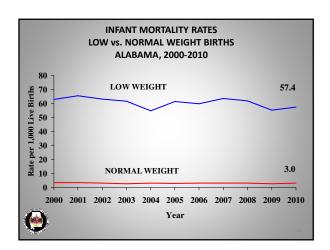


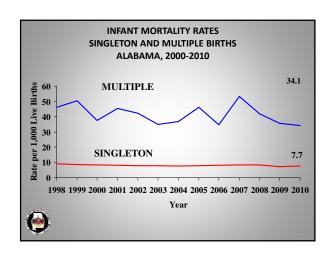


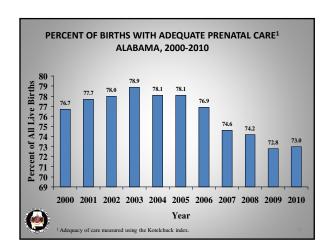


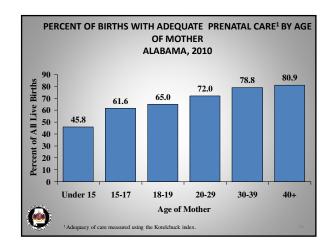


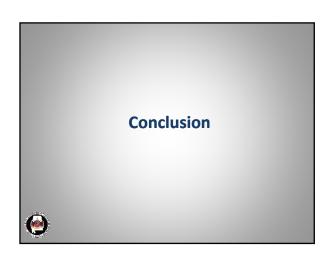


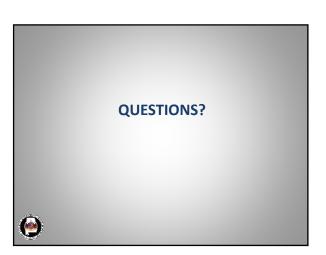












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